BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work : Construction of drain and improvements of culverts at Balaji layout in ward no.08 Kodigehalli.

Ward No.08						Estimated Cost Rs:			3000000.00
Sl No	Description of work	No	Dimensions L	B	D	Qty	Rate	Unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Removing & Refixing stone slabs of drains and pointing in C.M.(1:3) **PWD SR 2016-17**								
	Badrappa Layout 5th cross	2	160.00	0.90		288.00			
	7th cross R/S	1	150.00	0.90		135.00			
						423.00			
	consider Slab (30%)					**126.90**	**80.56**	**Cum**	**10223.00**
	Basic Rate	76.00							
	Add AW 6%	4.56							
	Total	**80.56**							
2	KSRB 2-2.2:Earthwork excavation for foundtion of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **Ordinary Soil** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications Specification No.KBS 2.1(b)/2.3.5 **PWD SR 2016-17 (P-5, It,-2.3)**								
	Badrappa Layout 5th cross	2	160.00	1.10	0.90	316.80	86.92		40443.87
	7th cross R/S	1	150.00	1.10	0.90	148.50			
					Total	**465.30**	**200.34**	**Cum**	**93218.00**
	Basic Rate	189.00	82						
	Add AW 6%	11.34	4.92						
	Total	**200.34**	86.92						

	KSRB 4-1.3:Providing and layingi n position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machienry, curing complete as per specifications. Specification No.KBS 4.1, 4.2 ***PWD SR 2016-17 (P-12, It.4.3)***								
	Badrappa Layout 5th cross	*2*	*160.00*	*1.10*	*0.15*	*52.80*			
	7th cross R/S	*1*	*150.00*	*1.10*	*0.15*	*24.75*			
					Total	***77.55***	***5159.02***	***Cum***	***400082.00***
	Basic Rate	*4867.00*							
	Add AW 6%	*292.02*							
	Total	***5159.02***							
	KSRB 4.2.2:Providing andlaying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed - 2008, machine mixed, concrete laid in layres not exceeding 15 cms, thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintles, retaining walls, return walls, walls (any thickness) includng attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.6 ***PWD SR 2016-17 (P-13, It.4.11)***								
	Bottom Slab								
	Badrappa Layout 5th cross	*2*	*160.00*	*0.90*	*0.15*	*43.20*			
	7th cross R/S	*1*	*150.00*	*0.90*	*0.15*	*20.25*			
	Side Wall								
	Badrappa Layout 5th cross	*4*	*160.00*	*0.15*	*0.60*	*57.60*			
	7th cross R/S	*2*	*150.00*	*0.15*	*0.60*	*27.00*			

					148.05	**6491.88**	**Cum**	**961123.00**
Basic Rate	6011.00							
Add AW 8%	480.88							
Total	**6491.88**							
	KSRB 4.9-1:Providing T.M.T Steel reinforcement for RCC Work including straightening, cutting, bending hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wasstge shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS 4.6.3 ***PWD SR 2016-17 (P-17, It.4.46.2)***							
Qty @ 50Kg/Cum		*0.05*	*148.05*		*7.40*			
				Total	**7.40**	**64243.42**	**Tonne**	**475562.00**
Basic Rate	60607.00							
Add AW 6%	3636.42							
Total	**64243.42**							
6	*KSRB 4-6.4:Providing and removing centering, shuttering, strutting proppoing etc, and removal of formwork for Vertical surface such as walls at any thickness including attached pilasters butresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2* ***PWD SR 2016-17 (P-15, It.4.31)***							
Badrappa Layout 5th cross	*8*	*160.00*		*0.60*	*768.00*			
7th cross R/S	*4*	*150.00*		*0.60*	*360.00*			
				Total	**1128.00**	**310.58**	**Sqm**	**350334.0**
Basic Rate	293.00							
Add AW 6%	17.58							
Total	**310.58**							
7	*Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)*							
Badrappa Layout 5th cross	*2*	*160.00*	*0.90*		*288.00*			
7th cross R/S	*1*	*150.00*	*0.90*		*135.00*			

					423.00			
Deduct avaialbe qty vide item no.1					**126.90**			
			Net Qty		**296.10**	**825.74**	**Sqm**	**244502.00**
Basic Rate	779.00							
Add AW 6%	46.74							
Total	**825.74**							
Providing chamfering edges to stone slab 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded (P.No.24, I.No.5.22 of PW, P&IWTD SR 2016-17)								
Badrappa Layout 5th cross	2	160.00			320.00			
7th cross R/S	1	150.00			150.00			
					470.00			
	470.00	devide	0.60		**783.00**	**nos**		
	783.00	X	3.00m		**2349.00**	**37.10**	**m**	**87148.00**
Basic Rate	35.00							
Add AW 6%	2.10							
Total	**37.10**							
9 *5.29(b) Providing and fixing Pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with toop and bottom wideth 114 and 165 mm respectively 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, includng form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unoading lead and lift transportatin etc, complete. PWD SR 2016-17* ***(P-25, It.No.5.30 5.29(b)***								
Badrappa Layout 5th cross	2	142.00			284			
7th cross R/S	1	140.00			140			
					424			

		424	divide	0.45	942	331.78	Nos	312537.00
Basic Rate	313.00							
Add AW 6%	18.78							
Total	331.78							
KSRRB 15-19.1:Providing and applying ready mix priming coat over concrete/ masonry/asbestos cement sheet/ plastered surfaces including preparing the surface after thoroughly cleaning of oil grease, dirt and other foreign matter, and sand preparing including cost of materials, labour complete as per specifications. **PWD SR 2016-17 (P-122, It.No.15.80)**								
Badrappa Layout 5th cross	2	142.00		0.40	113.60			
7th cross R/S	1	140.00		0.40	56.00			
				Total	169.60	27.56	Sqm	4674.18
Basic Rate	26.00							
Add AW 6%	1.56							
Total	27.56							
KSRRB 15-20.1:Providing and applying floor painting with redy mix paint in two coats ·(excluding priming coat) on new concret / asbestos cement sheet / plastered surfaces brushing to give an even shade qafter preparing the surface after throughly cleaning oil, dlert, dust other foreign matter and sand preparing including cost of materials, labour, complete as per specifications. PWD SR 2015-16 **(P-122, It.No.15.83)**								
Qty Vide Item No.10					169.60			
				Total	169.60	53.00	Sqm	8989.00
Basic Rate	50.00							
Add AW 6%	3.00							
Total	53.00							

KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 PWD SR 2013-14 **(P-144 & 133, It.No. 17.1)**								
Qty Vide Item.2					465.30			
				Total	**465.30**	**106.00**	**Cum**	49322.00
Basic Rate	68.00							
Conveying for 10Km 10 x 1.28 x 2.5	32.00							
Sub total	**100.00**							
Add AW 6%	6.00							
Total	**106.00**							55060
Miscellaneous & Rounding off:							L/S	2285.82
							Grand Total Rs:	3000000.00

(RS. THIRTY LAKHS ONLY)

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2015-16.

Assistant Engineer
Ward No.08

Assistant Executive Engineer
Malleshwaram Sub-Division
Bruhat Bengaluru Mahanagara Palike

01/06

Executive Engineer
Malleshwaram Division
Bruhat Bengaluru Mahanagara Palike

01/06

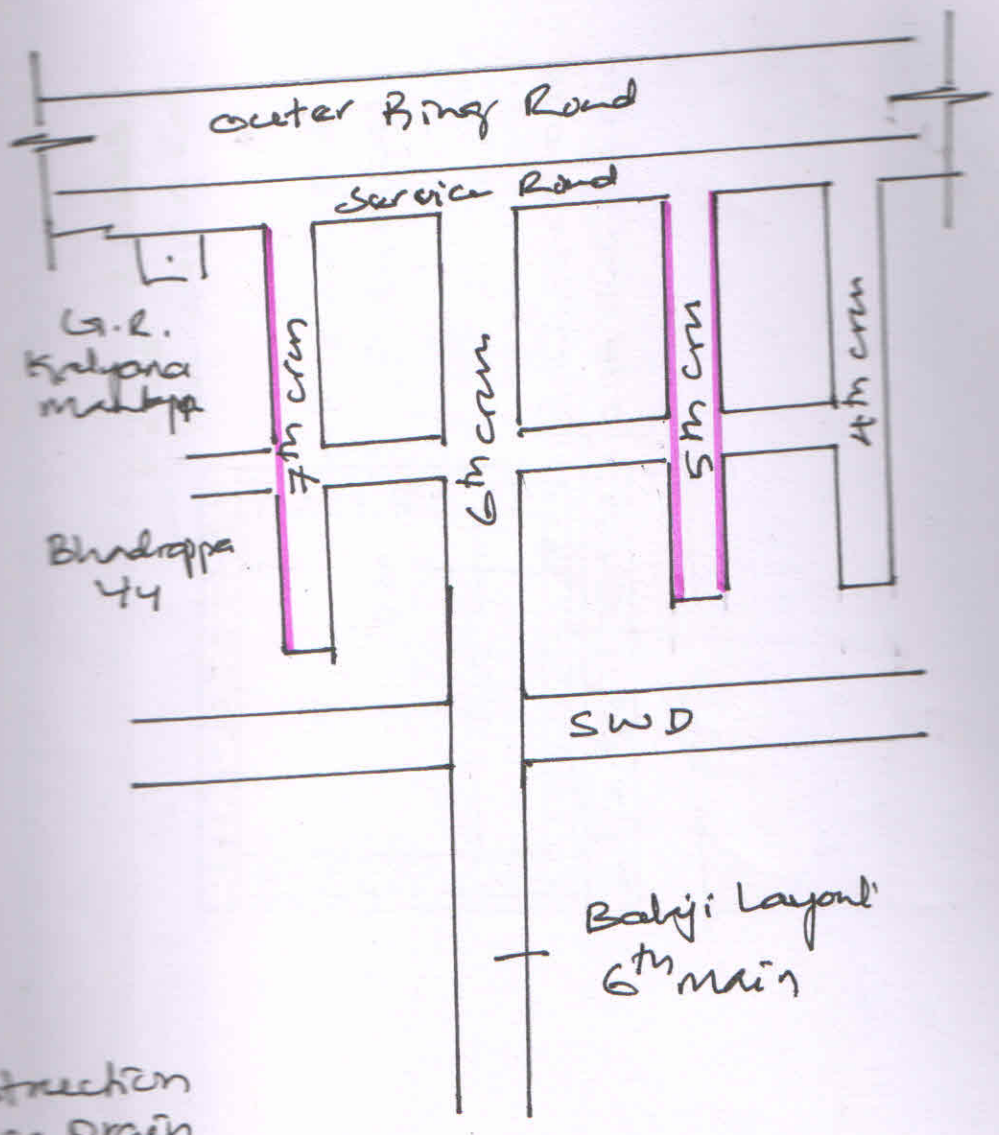
Administrative Approval
Accorded For 30 cr lacks only
Head of A/C P1774
CER NO AS/15/16/19 Dt. 08/06/16

TA CE (YNK)

Technical Sanction
Accorded For 30 cr lacks only
Head of A/C P1774
CER NO : TS/15/16/19 Dt: 21/06/16

TA CE (YNK)

Name of work:- Construction of Drain and improvements of culverts at Balaji Layout ward no. 8



■ Construction of RCC Drain

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.